

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to easily set a camera attachment distance of an image pick-up optical system, a combination of close-up rings and the like. When a user designates a specification of a desirable two-dimensional code such as a code type, a data type, a data volume, a printable space, or printing precision, a cell size and a symbol size of the two-dimensional code and the like are calculated in accordance therewith. Furthermore, an attachment condition of an image pick-up section such as an attachment distance limitation of the image pick-up section or a shift tolerance of a two-dimensional code label is specified. By inputting and calculating the condition for setting the image pick-up optical system of a two-dimensional code reader, thus, an appropriate camera attachment distance, a type of a close-up ring and a standard of a scale of a focusing ring are calculated automatically.